

Purification Facility construction begins

More than 250 civic leaders, guests and employees witnessed the ground breaking ceremony August 20 for a new special materials facility at the Y-12 National Security Complex.

The new facility, called a Purification Facility, is the first of Y-12's modernization efforts to reach this stage of execution.

"This is a big step forward in Y-12's efforts to become a more able, agile and affordable facility. It is a key milestone of Y-12's modernization program and will play a vital role in its ability to meet its national security mission well into the 21st century," said Dennis Ruddy, president and general manager of BWXT Y-12.

Bill Brumley, the National Nuclear Security Administration's Y-12 Site Office manager, said the new facility "is an important upgrade of infrastructure and technology to allow Y-12 to meet its future mission requirements within the Nuclear Weapons Complex."

Mark Sollenberger, BWXT Y-12 project manager, said, "To be the first major new line-item project at Y-12 in a decade, plowing a lot of new ground for those that will follow and to do so successfully, is nothing short of a tribute to an outstanding project team, and I thank them."

The new facility provides a purification process for the manufacturing of nonnuclear, special materials needed to support future Y-12's Stockpile Life Extension Program missions.

Processes in the new facility will be housed in gloveboxes. The facility also will employ 21st century instrumentation and equipment.



From left, Bill Brumley, Dennis Ruddy, Congressman Zach Wamp and Everett Beckner, National Nuclear Security Administration deputy administrator for defense programs, break ground on the new Purification Facility at Y-12.

The 10,000-square-foot concrete and steel building with brick veneer was designed by Pro2Serve of Oak Ridge and will be built by Foley Construction of Kansas City, Mo. It is expected to create some 70 to 80 jobs during construction and will provide six to eight jobs during operation.

The \$50 million project is part of the Special Materials Capabilities program of the Y-12 modernization effort. Construction of the facility is expected to be completed in 2004.



Dennis Ruddy and John Stallworth, former Pittsburgh Steelers wide receiver, kick off the 2003 United Way Campaign.

Y-12 kicks off United Way campaign

The United Way kickoff was truly a "kickoff" with John L. Stallworth, former wide receiver for the Pittsburgh Steelers football team, serving as keynote speaker. Drawings were held for six footballs autographed by Stallworth. The event was held August 12 at the cafeteria.

This year BWXT Y-12 contributed \$40,000 to United Way, which is a 30 percent increase from last year. Y-12's total United Way contributions will exceed \$500,000. Employees also held a bake sale, with all proceeds going to the United Way. BWXT Y-12 and National Nuclear Security Administration managers served as wait staff for tips, which were donated to the United Way. Bake sale proceeds and United Way tips totaled approximately \$1,150, and a doughnut sale netted about \$1,300.



Work for weapon design laboratories nearly doubles

*Providing what the design laboratories need
(If we can't provide it, you don't need it!)*

Orders for work supporting the weapon design laboratories have almost doubled, increasing to more than \$10 million annually, during the past few years. The increase in annual orders reflects the Y-12 National Security Complex's expanding scope of support.



Oscar King, a machinist from the Special Materials Organization, and Denise Huffine of Product Certification examine a recently machined material specimen.

Y-12's Laboratory Support Program (in the Directed Stockpile Work division) provides test parts and assemblies, material studies and process analysis and testing to support this key element of the Y-12 mission.

In addition to providing components and assemblies for evaluation, the laboratories ask Y-12 to evaluate existing and new materials, parts or features under different, even extreme, storage or transport conditions.

Information obtained from this work aids in evaluating design decisions made years—even decades—earlier, determining the suitability of current weapons for new missions and evaluating materials and processes proposed for lifetime extension work.

"The need to evaluate existing components in response to customers' concerns will always exist," said Jeff Horning, Laboratory Support Program manager. "We are, however, increasingly called upon to contribute to programmatic decisions about alternate materials, missions and processes. In some cases, we evaluate and even create materials and processes new to the weapons complex. This variety of work scopes requires significant coordination within and between Y-12 and its customers."

"Recent quick responses to requests for quotes and demonstrated agility to accommodate rush requests for test hardware are certainly appreciated," said Daryl Boyer, Lawrence Livermore National Laboratory program representative resident at Y-12. "Y-12's desire and ability to respond to needs helped keep several design agency tests on schedule."

Smith, McNew earn McDermott scholarships

Nathan Smith and Brent McNew, the sons of two BWXT Y-12 employees, are the 2003 recipients of the McDermott International Inc. scholarships.

Dennis Ruddy, president and general manager of BWXT Y-12, presented the scholarships and congratulated the recipients on their accomplishments. McDermott Incorporated is the parent company of BWX Technologies.

Nathan and Brent each will receive \$1,500 per year for four years of college-level study. Nathan also was awarded a four-year, \$2,500 McDermott-sponsored National Merit Scholarship.

Nathan, the son of Robert and Karen Smith of Oak Ridge, is a 2003 graduate of Oak Ridge High School, where he was first in his class and a member of the swim team, the science club, the marching band and the National Honor Society. He plans to attend Cornell University in Ithaca, N.Y., and major in engineering.

"I greatly appreciate the generosity of McDermott Inc. Their scholarship will help me pay for my education at Cornell," Nathan said.

Brent is the son of Steve and Pam McNew of Loudon. Brent is a 2003 graduate of Loudon High School, where he was valedictorian and played football and baseball, was a member of the National Honor Society and student council

and served as the school representative to the Loudon County Board of Education. He also is a member of the Fort Sanders EMS Explorer Post 222 and the president of the Youth Group at Prospect Baptist Church.

"I am honored to receive the McDermott scholarship. It will help tremendously with my education," Brent said.

Brent plans to attend Furman University in Greenville, S.C., and major in chemistry.



College-bound students Brent McNew (left) and Nathan Smith are the recipients of McDermott scholarships.

SAFETY-12

BWXT Y-12 EXPO 2003 National Security Complex

Proclamation

Whereas,
 BWXT Y-12 has designated that the third annual Y-12 Safety Exposition
 will be held on July 30, 2003

Whereas,
 the BWXT Y-12 Safety Exposition will be held at the Oak Ridge Mall and
 open to Y-12 employees, retirees, their families and the entire community

Whereas,
 the Safety Exposition will focus on safety in the workplace and at home

Whereas,
 safety is an important, integral part of every workplace and every home and
 important to the community

Now, therefore, be it resolved by the mayor and
 members of the Oak Ridge City Council
 that July 30 be proclaimed Safety Day in the City of Oak Ridge, Tennessee.

Be it further resolved,
 that by this proclamation, the Oak Ridge City Council encourages citizens
 to participate and focus on safety.

In witness thereof,
 I have hereunto set my hand and caused the Great Seal of the City of Oak
 Ridge to be affixed this 30th day of July.

David R. Bradshaw

David R. Bradshaw
 Mayor, City of Oak Ridge



Dennis Ruddy addresses the crowd at the 2003 Y-12 Safety Expo.

Safety Expo core team



Left to right (front row) Dennis Ruddy, Garry Whitley, Linda Caldwell, Janie Ruth, Alice Brandon, Freddie Williams and Ron Walton. Left to right (center row) Justin Davis, Connie Polson, Lisa Shope, Tonya Jackson, Jan Gilbert and Debbie Reed. Left to right (back row) Sandy Babb and Bob Spence.

Although the 2003 BWXT Y-12 Safety Expo core team worked more than nine months to organize the event, the success of the day must be attributed to the hundreds of employees who worked safely and diligently behind the scenes. This year's Safety Expo showcased 160 of the best safety practices and materials available for the workplace and the home. More than 9,000 people attended, including employees, family members and the community.

Expo puts safety in the spotlight

This year's BWXT Y-12 Safety Expo was a resounding success with more than 9,000 attendees. The theme for the third annual Safety Expo related to Y-12's 60th anniversary. With 160 exhibitors, several speakers and special events, the expo was bigger and even better than in previous years.

Guest speakers included James Spigener, a consultant who spoke on behavior-based safety; Robin Wilhoit with WBIR Channel 10 and spokeswoman for Buddy Check 10; Bill Wilcox, Y-12 historian and author; and Donald Raby, Kingston Demolition Range historian.

Safety awareness training topics included water safety, heat stress, exercise safety, children's nutrition and the vertical team.

Special events included Safety Jeopardy, the Personal Protective Equipment Fashion Show, a children's coloring contest, a bucket truck rescue demonstration, K-9 Search on Site dog demonstration, a helicopter landing and exhibit competition.

If you attended this year's Safety Expo, we hope you had a fun and informative experience. If you were unable to attend this year, be sure to make plans to attend next year.

And the Expo winners are . . .

The many Safety Expo exhibit styles and types were real crowd pleasers. Following are the Safety Expo exhibit categories and winners.

Most Interactive—Best demonstrates the Expo theme through entertaining and hands-on exhibits. The winner is Planning and Integration's exhibit on health and fitness.

Best Visual Presentation—Best demonstrates the Expo theme through pictures and display. The winner is the Safety Jeopardy game with leadership and coordination by the Manufacturing division.

Most Useful Information—Best communicates how safety can be integrated easily into the work and home environments. The winner is Facility Safety Engineering from the Engineering division.

Most Safety/Health-Related—Demonstrates clearly the safety emphasis at BWXT Y-12. The winner is the container demonstration by the Engineering and Projects divisions.

Best of Show—Overall best communicates the Expo theme and is highly educational and interactive. The winner is the Facilities, Infrastructure and Services team that presented the Personal Protective Equipment Fashion Show.

The **Safety Jeopardy** winning team is from Engineering (Preston Cloud, Wayne Blaylock, Brad White, David Wease and Melissa Harvey).

Many thanks to the panel of judges who made the tough decisions. The judges were Mary Bates, Public and Governmental Affairs; Jerome Roscoe, General Plant Maintenance; Jan Hickman, Communications Services; Donna Griffith, Communications Services; and Burt Tackaberry, Indirect Projects.

SAFETY Y-12

BWXT Y-12 EXPO 2003 National Security Complex





Safety Jeopardy winners

8 a.m. session—from the National Nuclear Security Administration (fourth overall)

Teresa Robbins
Doug Dearolph
Mosi Dayani
Narsaiah Karne
Richard Green

10:30 a.m. session—from Engineering (second overall)

Jeff Coppala
Paul Sooter
John Gertsen
Kathy Bracic
Kurt Zimmerman

1 p.m. session—from Engineering (first overall)

Preston Cloud
Wayne Blaylock
Brad White
Melissa Harvey
David Wease

3 p.m. session—from NNSA (third overall)

Larry Jones
Jim Donnelly
Ken Rhyne
Terry Olberding
Rick Swatzell

Safety Expo coloring contest

All of the entries to the Safety Expo Coloring Contest were wonderful. The committee would like to congratulate all of the children who participated.

More than 2,700 votes were tallied to name the following winners. Y-12 relatives are listed in parentheses.

Preschool & Kindergarten:

- 1st Place: Michael Davis (Justin Davis)
- 2nd Place: Ethan Barlow (Glenn Barlow)
- 3rd Place (tie): Parker Hawk (Todd Hawk)
- 3rd Place (tie): Jacob Gambrell (Ron Walton)

1st, 2nd & 3rd Grades:

- 1st Place: Kylie Polson (Connie and Jerry Polson)
- 2nd Place: Sarah Hawk (Todd Hawk)
- 3rd Place: Chrisann Tipton, Sterchi Elementary School

4th & 5th Grades:

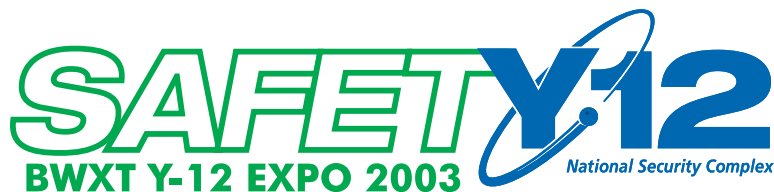
- 1st Place: Channing Murphy, Sterchi Elementary School
- 2nd Place: Natalie Dockter, Sterchi Elementary School
- 3rd Place: Jamann Booker, Sterchi Elementary School

6th, 7th & 8th Grades:

- 1st Place: Justin Coleman (Joey Clem)
- 2nd Place: Megan Johnson (Ralph Johnson)
- 3rd Place: Rebecca Johnson (Ralph Johnson)

9th, 10th, 11th & 12th Grades:

- 1st Place: Haley Lewis (Rick Lewis)
- 2nd Place: Ryan Johnson (Ralph Johnson)



RADCON prize winners

- Mary Radford of Human Resources won the black-and-white patriotic eagle print autographed by middle Tennessee artist Thom Williams.
- Mark Wright of Facilities, Infrastructure and Services won the color version of the patriotic eagle print autographed by Thom Williams.
- David Baker of Manufacturing won the American eagle throw.
- Fumiyo Epple, wife of Erwin Epple of the Planning and Integration division, won the American flag that was provided by Congressman John Tanner and that had flown over the U.S. Capitol on May 27, 2003, in honor of safety awareness at BWXT Y-12.
- Wayne Adkison of Environment, Safety and Health won the American flag that was provided by Congressman Tanner and that had flown over the U.S. Capitol on May 27, 2003, in honor of radiological safety at BWXT Y-12.

Safety Jeopardy!

1. The Occupational Safety and Health Administration term for treating all blood and certain body fluids as infectious.
What are Universal Precautions?
2. This form supplied by the chemical manufacturer provides information about the safe use of a chemical.
What is a Material Safety Data Sheet?
3. The leading cause of accidental deaths investigated by the Tennessee Department of Labor and Workforce Development Division of Occupational Safety and Health.
What are falls?
4. On a numerical scale, the energy state being sought during lockout/tagout.
What is zero?



It was a great forum to provide the plant population information on ergonomics and to also get feedback from them on ways to improve Y-12's ergonomic program as a whole. – Melissa Rich, industrial hygienist, Environment, Safety and Health



I enjoyed the games at Safety Expo. They made learning about safety fun for all ages. – Jason Maycock, piping engineer, Engineering



My favorite part of Safety Expo was Safety Jeopardy. It was fun and informative. – Chrystal Childers, co-op student, Engineering



The IDEAL booth was great, because they had all the latest electrical equipment. For me, it was a good experience to see what's out there in the electrical field. – Lou Brown, electrician, Facilities, Infrastructure and Services



It was amazing to see so many people attending and participating in Safety Expo. – John Moran, security police officer, Wackenhut Services, Inc.–Oak Ridge

Congressional visit



Linton Brooks, Administrator of the National Nuclear Security Administration (NNSA) discusses Safeguards and Security measures with Congressman Christopher Shays (Conn.), chairman, subcommittee on National Security, Emerging Threats and International Relations, during a recent visit to Y-12. Other participants in the visit were Congressman Michael Turner (Ohio), vice-chairman, subcommittee on National Security, Emerging Threats and International Relations, Congressman John Duncan (Tenn.) and congressional staff members from Congressman Zach Wamp's office.

Service Anniversaries – August

53 years

Quality Assurance: Theodore W. Robinson

41 years

Applied Technologies: Matthew J. O'Hara

35 years

Facilities, Infrastructure and Services: David L.

Castleberry, Carl R. Scarbrough, Herbert F. Shanklin

Manufacturing: David P. Bryant, Edward T. Johnson Jr.

Quality Assurance: Alfred G. Bell

Readiness in Technical Base and Facilities: James C. Parker Jr.

25 years

Administration and Purchasing: Pamela J. Crisp, James C. Pease Jr.

Applied Technologies: David G. Ball, Janelle J. Dunigan

Engineering: James T. Cox III

Facilities, Infrastructure and Services: Michael W. Cotter, Fred L. Higdon, Peter A. Leitnaker, Harold P. Newman, Lawrence T. O'Toole

Human Resources: Dana J. Davis

Manufacturing: Robert L. Bandy, Pamela J. Fritts, Bruce E. Walton

Quality Assurance: Barbara D. Carmichael, Richard J. Davis

20 years

Administration and Purchasing: Cynthia M. Bailey, Lynn A. Taylor

Facilities, Infrastructure and Services: Roxanne R. Leedy

Manufacturing: Teresa J. Goodpasture

Planning and Integration: James D. Plemmons

Service Anniversaries – September

50 years

Applied Technologies: Rayburn C. Waldrop

43 years

Applied Technologies: Harold A. Fell

40 years

Facilities, Infrastructure and Services: Benjamin J. Gardner

35 years

Engineering: Luther E. Galyon Jr., James D. May

Environment, Safety and Health: Walter E. Porter

Manufacturing: George E. Proffitt

Quality Assurance: Clarence E. Stalsworth

30 years

Facilities, Infrastructure and Services: Edward B. Caruthers

25 years

Applied Technologies: Robert L. Bridges, Emma S. Jones, Julia A. Newson

Engineering: Eric O. Covington

Environment, Safety and Health: Donald E. Bohrman, Lewis M. Patterson, Elmer E. Stevens, Elmer L. Ward Jr.

Facilities, Infrastructure and Services: Frank H. Bunner, Gary L. Eicher, Freddie A. Gouge, James T. Hawn, William W. Shrewbrooks II

Financial Management: Dianne D. Hamblen

Human Resources: Terry L. Marlar

Manufacturing: Patricia L. Dulaney

Quality Assurance: Kathy A. Hensley, Wayne A. Randles

Safeguards and Security: Kathy H. Meng

20 years

Engineering: David D. Bunton

Facilities, Infrastructure and Services: William E. Bryant, Betty J. Chumley

Human Resources: Susan E. Hughes

Manufacturing: Richard J. Dilly, Alan F. Moore

Quality Assurance: James H. Norvell, Mary E. Roy, Kenneth A. Thompson

Safeguards and Security: Peter J. Kortman

Barrier awareness

When driving into and out of the Protected Area (Posts 8 and 33) of Y-12, the vehicle driver must (1) stop and wait for the light to turn green and (2) wait for a hand signal from Protective Force personnel before proceeding to drive over the barrier. These two actions are required to ensure that eye contact is made between the person that will raise the barrier and the person that will be driving over the barrier. Let's prevent vehicle barrier accidents before they happen.

No More Surprises makes debut

No More Surprises, a new communication forum between employees and management, made its debut August 11. No More Surprises is billed as “one-stop shopping” for employee feedback channels.

The new umbrella program incorporates programs such as I Care/We Care, Employee Concerns, Ethics and the Employee Question and Answer Forum. The core programs that make up No More Surprises will not be changing, but they will have a bit of a different look. For instance, there is a single entry form for all No More Surprises issues, though employees will have the opportunity to designate the process they would like to address their submission.

Like the older programs it encompasses, No More Surprises is meant to be a tool for employees, not a trap for them. The Question and Answer Forum, I Care/We Care and Employee Concerns program collectively handled more than 3,000 submissions and questions in the last

two years without a single case of retaliation against a submission author. Like these programs, No More Surprises encourages users to identify themselves, but anonymous entries also are accepted.

New key features of the program include a unique tracking number provided to all employees who enter identifying information, increased accountability for managers and a real-time tracking system that lets employees know exactly what's happening with their question.

A complete explanation of the No More Surprises process and policies is available on the No More Surprises home page, which can be accessed through the index at the top of YSource pages, and through the Community tab, where the links for the Question and Answer Forum and Employee Concerns program used to be. For informational

purposes, archived versions of the old sites still will be available through the index.

There are numerous ways to enter an item into the No More Surprises system. Employees can

- fill out a Web form from the No More Surprises Web site,***
 - download the form from the JIT Forms page and mail it in using plant mail (No More Surprises, Bldg. 9109, MS 8245),***
 - drop off hard copies of the form into former I Care/We Care collection points around Y-12,***
 - use a special No More Surprises Hotline (576-1900) or fax line (241-1943), or***
 - send an e-mail message to***
NoMoreSurprises@y12.doe.gov.
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The 2002 Benefit Plans Summary Annual Report is now available. Contact Maureen Williams (4my) at 574-9285 for a copy of the report. The full report also will be published in the October issue of the BWX Tymes.

BWX TYMES

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